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Product datasheet for SC112013

NAA60 (NM_024845) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	NAA60 (NM_024845) Human Untagged Clone
Tag:	Tag Free
Symbol:	NAA60
Synonyms:	HAT4; hNaa60; NAT15; NatF
Mammalian Cell Selection:	None
Vector:	pCMV6-XL4
E. coli Selection:	Ampicillin (100 ug/mL)

Fully Sequenced ORF:

>OriGene ORF within SC112013 sequence for NM_024845 edited (data generated by NextGen Sequencing)

ATGACAGAGGTGGTGCCATCCAGCGCGCTCAGCGAGGTCAGCCTGCGCCTCCTCTGCCAC
GATGACATAGACACTGTGAAGCACCTGTGTGGCGACTGGTTCCCCATCGAGTACCCAGAC
TCATGGTATCGTGATATCACATCCAACAAGAAGTTCTTTTCCCTTGCTGCAACCTACAGA
GGTGCCATTGTGGGAATGATAGTAGCTGAAATTAAGAACAGGACCAAAATACATAAAGAG
GATGGAGATATTCTAGCATCCAACTTCTCTGTTGACACACAAGTCGCGTACATCCTAAGT
CTGGGCGTCGTGAAAGAGTTCAGGAAGCACGGCATAGGTTCCCTCTTACTTGAAAGTTTA
AAGGATCACATATCAACCACCGCCCAGGACCACTGCAAAGCCATTTACCTGCATGTCCTC
ACCACCAACAACACAGCAATAAACTTCTATGAAAACAGAGACTTCAAGCAGCACCACTAT
CTCCCCTATTACTACTCCATTCGAGGGGTCCTCAAAGATGGCTTCACCTATGTCCTCTAC
ATCAACGGCGGGCACCCTCCCTGGACGATTTTGGACTACATCCAGCACCTGGGCTCTGCA
CTAGCCAGCCTGAGCCCCTGCTCCATTCCGCACAGAGTCTACCGCCAGGCCCACAGCCTG
CTCTGCAGCTTCCTGCCATGGTCGGGCATCTCTTCCAAGAGTGGCATCGAGTACAGCCGG
ACCATGTGA

Clone variation with respect to NM_024845.2
552 c=>g

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5' Read Nucleotide Sequence:

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>OriGene 5' read for NM_024845 unedited
CCGGTTCAAATATTTGTATACGACTTCACTATAGGGCGGCCGCGAATTCGCACCANAACA
CCCCCAGCGGCCGCCGGCTCCCCCACGAGGTGTGAATGACAGAGGTGGTGCCATCCAGCG
CGCTCAGCGAGGTCAGCCTGCGCCTCCTCTGCCACGATGACATAGACACTGTGAAGCACC
TGTGTGGCGACTGGTTCCCCATCGAGTACCCAGACTCATGGTATCGTGATATCACATCCA
ACAAGAAGTTCTTTTCCCTTGCTGCAACCTACAGAGGTGCCATTGTGGGAATGATAGTAG
CTGAAATTAAGAACAGGACCAAAATACATAAAGAGGATGGAGATATTCTAGCATCCAACT
TCTCTGTTGACACACAAGTCGCGTACATCCTAAGTCTGGGCGTCGTGAAAGAGTTCAGGA
AGCACGGCATAGGTTCCCTCTTACTTGAAAGTTTAAAGGATCACATATCAACCACCGCCC
AGGACCACTGCAAAGCCATTTACCTGCATGTCCTCACCACCAACAACACAGCAATAAACT
TCTATGAAAACAGAGACTTCAAGCAGCACCACTATCTCCCCTATTACTACTCCATTCGAG
GGGTCCTCAAAGATGGCTTCACCTATGTCCTCTACATCAACGGCGGGCACCCTCCCTGGA
CGATTTTGGACTACATCCAGCACCTGGGCTCTGCACTAGCCAGCCTGAGCCCCTGCTCCA
TTCCGCACAGAGTCTACCGCCAGGCCCACAGCCTGCTCTGCAGCTTCCTGCCATGGTCGG
GCATCTCTTCCAGAGTGGCATCGAGTACAGCCGGACATGTGATGTCGGCTGGGCAGCCGC
CACCCAGCCCACCCTTCACCGCCCGCAGAGCCGCCTTTCTGTNCTCTGACCCCTTCTGTT
TCTGCAGGGAGCTGCAGCTCTACTGGG
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Restriction Sites: NotI-NotI

ACCN: NM_024845

Insert Size: 2630 bp

OTI Disclaimer: Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

Components: The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

Reconstitution Method:
1. Centrifuge at 5,000xg for 5min.
2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
3. Close the tube and incubate for 10 minutes at room temperature.
4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.
5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.

RefSeq: NM_024845.1, NP_079121.1

RefSeq Size: 2553 bp

RefSeq ORF: 729 bp

Locus ID: 79903

UniProt ID: Q9H7X0

Cytogenetics: 16p13.3

Domains: Acetyltransf

Gene Summary: This gene encodes an enzyme that localizes to the Golgi apparatus, where it transfers an acetyl group to the N-terminus of free proteins. This enzyme acts on histones, and its activity is important for chromatin assembly and chromosome integrity. Alternative splicing and the use of alternative promoters results in multiple transcript variants. The upstream promoter is located in a differentially methylated region (DMR) and undergoes imprinting; transcript variants originating from this position are expressed from the maternal allele. [provided by RefSeq, Nov 2015]
Transcript Variant: This variant (2) represents use of an alternate promoter, differs in the 5' UTR, and uses an alternate splice site in the 3' UTR, compared to variant 1. Variants 1, 2, and 3 encode the same isoform (a). Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.